

Abstract

5 The invention relates to certain chiral transition
metal catalysts, to the metal of which at least two
structurally different monophosphorus ligands are
bonded, at least one of said monophosphorus ligands
being chiral. Said chiral transition metal catalysts
10 are suitable as catalysts for use in asymmetric
transition metal-catalyzed reactions, providing better
enantioselectivities than in cases where only one
structurally defined ligand is used.